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| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 | | ATTORNEY'S DOCKET NUMBER NREL 01-43 U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <div style="font-size: 2em; font-weight: bold; text-align: center;">10/553245</div> |
| INTERNATIONAL APPLICATION NO. PCT/US02/11104 | INTERNATIONAL FILING DATE 02 April 2002 | PRIORITY DATE CLAIMED 17 August 2001 |
| TITLE OF INVENTION METHOD FOR PRODUCING HIGH CARRIER CONCENTRATION P-TYPE TRANSPARENT CONDUCTING OXIDES | | |
| APPLICANT(S) FOR DO/EO/US XIAONAN LI, YANFA YAN, TIMOTHY A. GESSERT, TIMOTHY J. COUTTS AND CLAY DEHART | | |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: | | |
| 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). Items 11 to 20 below concern document(s) or information included: 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input type="checkbox"/> A preliminary amendment. 14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825. 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input type="checkbox"/> Other items or information: | | |

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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| U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/553245 | | INTERNATIONAL APPLICATION NO. PCT/US02/11104 | | ATTORNEY'S DOCKET NUMBER NREL 01-43 | |
| 21. The following fees are submitted: | | | | Applicant use | Office use only |
| <input checked="" type="checkbox"/> a) Basic national fee..... \$300.00 | | | | \$ 300.00 | |
| <input checked="" type="checkbox"/> b) Examination fee..... \$200.00 | | | | \$ 200.00 | |
| <input checked="" type="checkbox"/> c) Search fee..... \$500.00 | | | | \$ 500.00 | |
| TOTAL OF ABOVE CALCULATIONS = \$1000.00 | | | | \$ 1000.00 | |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. | | | | | |
| Total Sheets | Extra sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE | | |
| - 100 = | /50 = | | x \$250.00 | \$ 0 | |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)). | | | | \$ | |
| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | \$ | |
| Total claims | 18 - 20 = | 0 | x \$50.00 | \$ | |
| Independent claims | 2 -3= | 0 | x \$200.00 | \$ | |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable) | | | + \$360.00 | \$ | |
| TOTAL OF ABOVE CALCULATIONS = | | | | \$ 1000.00 | |
| <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2. | | | | \$ 500.00 | |
| SUBTOTAL= | | | | \$ 500.00 | |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)). | | | | \$ | |
| TOTAL NATIONAL FEE = | | | | \$ 500.00 | |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property | | | | \$ 40.00 | |
| TOTAL FEES ENCLOSED = | | | | \$ 540.00 | |
| Amount to be refunded: | | | | | \$ |
| Amount to be charged | | | | | \$ |
| <p>a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.</p> <p>b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>14-0460</u> in the amount of \$ <u>540.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>14-0460</u>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p> | | | | | |
| <p>NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.1 37(a) or (b)) must be filed and granted to restore the International Application to pending status.</p> | | | | | |
| <p>SEND ALL CORRESPONDENCE TO:</p> <p>Paul J. White NREL 1617 Cole Blvd. Golden, CO 80401</p> | | | | | |
| | | | | <p><i>Paul J. White</i> SIGNATURE</p> <p>PAUL J. WHITE NAME</p> <p>30,436 REGISTRATION NUMBER</p> | |

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

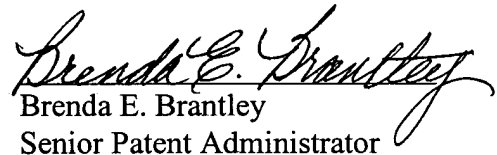
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|--|---|-----------------------------|
| Applicant(s): Xiaonan Li et al. |) | |
| |) | Examiner: Not Yet Accorded |
| Serial No.: PCT/US02/11104 |) | |
| |) | Group Art: Not Yet Accorded |
| Filed: April 2, 2002 |) | |
| |) | Atty. Dkt. No. NREL 01-43 |
| Title: Method for Producing High Carrier |) | |
| Concentration P-Type Transparent |) | |
| Conducting Oxides |) | |

CERTIFICATE OF MAILING UNDER 37 CFR § 1.8

I hereby certify that the following attached items:

- Petition for Revival of an International Application for Patent Designating the U.S. Abandoned Unintentionally Under 37 CFR § 1.137(b) [2 pages]
- Reply to Petition for Revival of International Application + Statement [4 pages]
- Transmittal Letter to the U.S. Designated/Elected Office [2 pages]
- Information Disclosure Statement [2 pages]
- Recordation Cover Sheet and Assignment [3 pages]
- Copy of Petition Decision, dated 27 September 2005 [2 pages]
- Copy of PCT Inventors Declaration [3 pages]
- Postcard Receipt

are being deposited in the United States Postal Service as first class mail, postage pre-paid, in an envelope addressed to: Commissioner for Patents, U.S. Patent & Trademark Office, P.O. Box 1450, MS Issue Fee, Alexandria, Va 22313-1450 on this 14th day of October 2005.


 Brenda E. Brantley
 Senior Patent Administrator

National Renewable Energy Laboratory
 1617 Cole Boulevard
 Golden, CO 80401
 303/384-7572
 303/384-4799 (fax)

IN THE U.S. PATENT AND TRADEMARK OFFICE

Inventor(s): Xiaonan Li et al.)
)
International (PCT) Application No.:)
PCT/US02/11104)
)
Filed: April 2, 2002)
)
Title: Method for Producing High Carrier)
Concentration P-Type Transparent) Atty Dkt. No.: NREL 01-43
Conducting Oxides)

STATEMENT

Commissioner for Patents
P.O. Box 1450
MS/PCT
Alexandria, VA 22313-1450

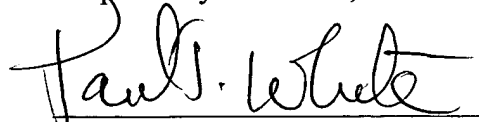
Dear Sir:

The undersigned declares that the incorrect entry of the priority date into Applicants' data base was unintentional.

The undersigned declares that all statements made herein are true and correct, and that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Dated: September 14, 2005.

Respectfully submitted,



Paul J. White, Reg. No. 30,436
Attorney for Applicants